#### AMENDMENTS TO THE CLAIMS

1. (Original)A compound represented by the formula (I):

wherein W represents

or

and  $R^3$ ,  $R^7$ ,  $R^{16}$ ,  $R^{17}$ ,  $R^{20}$ ,  $R^{21}$  and  $R^{21}$ , the same or different, independently represent

- 1) a hydrogen atom,
- 2) a hydroxyl group or oxo group, provided that the oxo group is limited to an oxo group formed by  $R^3$  or  $R^7$  in combination with a carbon atom to which  $R^3$  or  $R^7$  is bonded, and an oxo group formed by  $R^{21}$  and  $R^{21}$  together in combination with the carbon atom to which  $R^{21}$  and  $R^{21}$  are bonded,
- 3) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- 4) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,

- 5) a C<sub>7</sub> to C<sub>22</sub> aralkyloxy group which may have a substituent,
- 6) a 5-membered to 14-membered heteroaralkyloxy group which may have a substituent,
- 7) RC(=Y)-O-, wherein Y represents an oxygen atom or sulfur atom, and R represents
  - a) a hydrogen atom,
  - b) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- c) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
  - d) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- e) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- f) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent,
- g) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- h) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- i) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- j) a  $C_6$  to  $C_{14}$  aryloxy group which may have a substituent,
- k) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent,

- 1) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent or
- m) a 5-membered to 14-membered heteroaryloxy group which may have a substituent,  $\ \ \,$
- 8)  $R^{S1}R^{S2}R^{S3}SiO-$ , wherein  $R^{S1}$ ,  $R^{S2}$  and  $R^{S3}$ , the same or different, independently represent
  - a) a C<sub>1</sub> to C<sub>6</sub> alkyl group or
  - b) a C<sub>6</sub> to C<sub>14</sub> aryl group,
- 9) a halogen atom,
- 10)  $R^{N1}R^{N2}N-R^{M}-$ , wherein  $R^{M}$  represents
  - a) a single bond,
  - b) -CO-O-,
  - c)  $-SO_2-O-$ ,
  - d) -CS-O- or
- e) -CO-NR<sup>N3</sup>-, wherein  $R^{N3}$  represents a hydrogen atom or a  $C_1$  to  $C_6$  alkyl group which may have a substituent, provided that, the leftmost bond in b) to e) is bonded to the nitrogen atom,

 $\mbox{\ensuremath{R^{\text{N1}}}}$  and  $\mbox{\ensuremath{R^{\text{N2}}}},$  the same or different, independently represent

- a) a hydrogen atom,
- b) a C<sub>1</sub> to C<sub>22</sub> alkyl group which may have a substituent,
- c) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,

- d) an aliphatic  $C_2$  to  $C_{22}$  acyl group which may have a substituent,
- e) an aromatic  $C_7$  to  $C_{15}$  acyl group which may have a substituent,
  - f) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- g) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- h) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent,
- i) a  $C_1$  to  $C_{22}$  alkylsulfonyl group which may have a substituent,
- j) a  $C_6$  to  $C_{14}$  arylsulfonyl group which may have a substituent,
- k) a 3-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{N1}$  and  $R^{N2}$  together in combination with the nitrogen atom to which  $R^{N1}$  and  $R^{N2}$  are bonded, wherein the 3-membered to 14-membered non-aromatic heterocyclic group may have a substituent,
- a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- m) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent or
- n) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent,

- 11)  $R^{N4}SO_2-O-$ , wherein  $R^{N4}$  represents
  - a) a C<sub>1</sub> to C<sub>22</sub> alkyl group which may have a substituent,
  - b) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- c) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- d) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- e) a  $C_6$  to  $C_{14}$  aryloxy group which may have a substituent,
- f) a 5-membered to 14-membered heteroaryloxy group which may have a substituent,
- g) a  $C_7$  to  $C_{22}$  aralkyloxy group which may have a substituent or
- h) a 5-membered to 14-membered heteroaralkyloxy group which may have a substituent,
- 12)  $(R^{N5}O)_2PO-O-$ , wherein  $R^{N5}$  represents
  - a) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- b) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
  - c) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- d) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- e) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent or

- f) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- 13)  $(R^{N1}R^{N2}N)_2PO-O-$ , wherein  $R^{N1}$  and  $R^{N2}$  are the same as defined above or
- 14)  $(R^{N1}R^{N2}N)(R^{N5}O)$  PO-O-, wherein  $R^{N1}$ ,  $R^{N2}$  and  $R^{N5}$  are the same as defined above; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 2. (Original) The compound according to claim 1 represented by the formula (I-a):

$$R^{21'a}$$
  $R^{21a}$   $R^{17a}$   $R^{17a}$   $R^{20a}$   $R^{17a}$   $R^{17a}$   $R^{17a}$   $R^{20a}$   $R^{3a}$ 

wherein W is the same as defined above, and  $R^{3a}$ ,  $R^{7a}$ ,  $R^{16a}$ ,  $R^{17a}$ ,  $R^{20a}$ ,  $R^{21a}$  and  $R^{21a'}$ , the same or different, independently represent 1) a hydrogen atom,

2) a hydroxyl group or oxo group, provided that the oxo group is limited to an oxo group formed by  $R^{3a}$  or  $R^{7a}$  in combination with the carbon atom to which  $R^{3a}$  or  $R^{7a}$  is bonded, and an oxo group formed by  $R^{21a}$  and  $R^{21a'}$  together in combination with a carbon atom to which  $R^{21a}$  and  $R^{21a'}$  are bonded,

- 3) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- 4)  $R^aC(=Y^a)$ -O-, wherein  $Y^a$  represents an oxygen atom or sulfur atom, and  $R^a$  represents
  - a) a hydrogen atom,
  - b) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- c) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
  - d) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- e) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- f) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent,
- g) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- h) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- i) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- j) a  $C_6$  to  $C_{14}$  aryloxy group which may have a substituent,
- k) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent,
- 1) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent or

- m) a 5-membered to 14-membered heteroaryloxy group which may have a substituent,
- 5)  $R^{as1}R^{as2}R^{as3}SiO-$ , wherein  $R^{as1}$ ,  $R^{as2}$  and  $R^{as3}$ , the same or different, independently represent
  - a) a  $C_1$  to  $C_6$  alkyl group or
  - b) a  $C_6$  to  $C_{14}$  aryl group or
- 6)  $R^{aN1}R^{aN2}N-R^{aM}$ -, wherein  $R^{aM}$  represents
  - a) -CO-O- or
- b) -CS-O-, provided that, in the leftmost bond a) or b) is bonded to the nitrogen atom, and

 $\mbox{\bf R}^{\mbox{\scriptsize anl}}$  and  $\mbox{\bf R}^{\mbox{\scriptsize anl}},$  the same or different, independently represent

- a) a hydrogen atom,
- b) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- c) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
- d) an aliphatic  $C_2$  to  $C_{22}$  acyl group which may have a substituent,
- e) an aromatic  $C_7$  to  $C_{15}$  acyl group which may have a substituent,
  - f) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent,
- g) a 5-membered to 14-membered heteroaryl group which may have a substituent,
  - h) a  $C_7$  to  $C_{22}$  aralkyl group which may have a

substituent,

- i) a  $C_1$  to  $C_{22}$  alkylsulfonyl group which may have a substituent,
- j) a  $C_6$  to  $C_{14}$  arylsulfonyl group which may have a substituent,
- k) a 3-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{aN1}$  and  $R^{aN2}$  together in combination with the nitrogen atom to which  $R^{aN1}$  and  $R^{aN2}$  are bonded, wherein the 3-membered to 14-membered non-aromatic heterocyclic group may have a substituent,
- a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- m) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent or
- n) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 3. (Original) The compound according to claim 1 represented by the formula (I-b):

$$R^{21}b$$
  $R^{21b}$   $R^{17b}$   $R^{17b}$   $R^{16b}$   $R^{3b}$  (I-b)

wherein W is the same as defined above, and  $R^{3b}$ ,  $R^{7b}$ ,  $R^{16b}$ ,  $R^{17b}$ ,  $R^{20b}$ ,  $R^{21b}$  and  $R^{21'b}$ , the same or different, independently represent 1) a hydrogen atom,

- 2) a hydroxyl group or oxo group, provided that the oxo group is limited to an oxo group formed by  $R^{3b}$  or  $R^{7b}$  in combination with the carbon atom to which  $R^{3b}$  or  $R^{7b}$  is bonded, and an oxo group formed by  $R^{21b}$  and  $R^{21b'}$  together in combination with the carbon atom to which  $R^{21b}$  and  $R^{21b'}$  are bonded,
- 3) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- 4) RbC(=0)-0-, wherein Rb represents
  - a) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- b) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
- c) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent,
- d) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- e) a  $C_6$  to  $C_{14}$  aryloxy group which may have a substituent,
- f) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent or
- g) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent,

- 5)  $R^{bs1}R^{bs2}R^{bs3}SiO-$ , wherein  $R^{bs1}$ ,  $R^{bs2}$  and  $R^{bs3}$ , the same or different, independently represent
  - a) a C<sub>1</sub> to C<sub>6</sub> alkyl group or
  - b) a C<sub>6</sub> to C<sub>14</sub> aryl group or
- 6)  $R^{bN1}R^{bN2}N-R^{bM}$ -, wherein  $R^{bM}$  represents
  - a) -CO-O- or
- b) -CS-O-, provided that, the leftmost bond in a) or b) is bonded to the nitrogen atom, and

 $\mbox{\ensuremath{R^{bN1}}}$  and  $\mbox{\ensuremath{R^{bN2}}}\mbox{\ensuremath{,}}$  the same or different, independently represent

- a) a hydrogen atom,
- b) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- c) a 3-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{bN1}$  and  $R^{bN2}$  together in combination with the nitrogen atom to which  $R^{bN1}$  and  $R^{bN2}$  are bonded, wherein the 3-membered to 14-membered non-aromatic heterocyclic group may have a substituent,
- d) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent or
- e) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.

4. (Original) The compound according to claim 1 represented by the formula (I-c):

$$R^{21'c}$$
  $R^{21c}$   $R^{17c}$   $R^{17c}$   $R^{20c}$   $R^{17c}$   $R^{16c}$   $R^{3c}$ 

wherein W is the same as defined above, and  $R^{3c}$ ,  $R^{7c}$ ,  $R^{16c}$ ,  $R^{17c}$ ,  $R^{20c}$ ,  $R^{21c}$  and  $R^{21'c}$ , the same or different, independently represent 1) a hydrogen atom,

- 2) a hydroxyl group or oxo group, provided that the oxo group is limited to an oxo group formed by  $R^{3c}$  or  $R^{7c}$  in combination with the carbon atom to which  $R^{3c}$  or  $R^{7c}$  is bonded, and an oxo group formed by  $R^{21c}$  and  $R^{21c'}$  together in combination with the carbon atom to which  $R^{21c}$  and  $R^{21c'}$  are bonded,
- 3)  $R^cC(=0)$ -O-, wherein  $R^c$  represents a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- 4)  $R^{cs1}R^{cs2}R^{cs3}SiO-$ , wherein  $R^{cs1}$ ,  $R^{cs2}$  and  $R^{cs3}$ , the same or different, independently represent
  - a) a  $C_1$  to  $C_6$  alkyl group or
  - b) a  $C_6$  to  $C_{14}$  aryl group or
- 5)  $R^{cN1}R^{cN2}N-R^{cM}-$ , wherein  $R^{cM}$  represents -CO-O-, provided that the leftmost bond is bonded to the nitrogen atom, and

 $\mbox{\ensuremath{R^{\text{cN1}}}}$  and  $\mbox{\ensuremath{R^{\text{cN2}}}},$  the same or different, independently represent

- a) a hydrogen atom,
- b) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- c) a 3-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{cN1}$  and  $R^{cN2}$  together in combination with the nitrogen atom to which  $R^{cN1}$  and  $R^{cN2}$  are bonded, wherein the 3-membered to 14-membered non-aromatic heterocyclic group may have a substituent,
- d) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent or
- e) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 5. (Currently Amended) The compound according to claim 1 represented by the formula (I-d):

wherein  $R^{3d}$  and  $R^{16d}$ , the same or different, independently represent

- 1) a hydroxyl group,
- 2) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- 4) a C<sub>7</sub> to C<sub>22</sub> aralkyloxy group which may have a substituent,
- 5) R<sup>d</sup>C(=0)-O-, wherein R<sup>d</sup> represents
  - a) a hydrogen atom,
  - b) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- c) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
  - d) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- e) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- f) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent,
- g) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- h) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- i) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- j) a  $C_6$  to  $C_{14}$  aryloxy group which may have a substituent or
  - k) a 5-membered to 14-membered heteroaryloxy group

which may have a substituent or

- 6)  $R^{dN1}R^{dN2}N$ -CO-O-, wherein  $R^{dN1}$  and  $R^{dN2}$ , the same or different, independently represent
  - a) a hydrogen atom,
  - b) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
- c) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
  - d) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- e) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- f) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent,
- g) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- h) a  $C_3$  to  $C_{14}$  cycloalkyl group which may have a substituent,
- i) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent or
- j) a 3-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{dN1}$  and  $R^{dN2}$  together in combination with the nitrogen atom to which  $R^{dN1}$  and  $R^{dN2}$  are bonded, wherein the 3-membered to 14-membered non-aromatic heterocyclic group may have a substituent, and

 $R^{7d}$  and  $R^{21d}$ , the same or different, independently represent

- 1) a hydroxyl group,
- 2) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- 4) a  $C_7$  to  $C_{22}$  aralkyloxy group which may have a substituent,
- 5)  $R^{d}C(=0)-0-$ , wherein  $R^{d}$  is the same as defined above,
- 6)  $R^{dN1}R^{dN2}N$ -CO-O-, wherein  $R^{dN1}$  and  $R^{dN2}$  are the same as defined above,
- 7)  $R^{dN1}R^{dN2}N-SO_2-O-$ , wherein  $R^{dN1}$  and  $R^{dN2}$  are the same as defined above,
- 8)  $R^{dN1}R^{dN2}N$ -CS-O-, wherein  $R^{dN1}$  and  $R^{dN2}$  are the same as defined above,
- 9)  $\text{R}^{\text{dN4}}\text{-SO}_2\text{-O-,}$  wherein  $\text{R}^{\text{dN4}}$  represents
  - a) a  $C_1$  to  $C_{22}$  alkyl group which may have a substituent,
  - b) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- c) a  $C_1$  to  $C_{22}$  alkoxy group which may have a substituent,
- d) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- e) a  $C_6$  to  $C_{14}$  aryloxy group which may have a substituent,
- f) a 5-membered to 14-membered heteroaryloxy group which may have a substituent,
  - g) a  $C_7$  to  $C_{22}$  aralkyloxy group which may have a

substituent or

- h) a 5-membered to 14-membered heteroaralkyloxy group which may have a substituent,
- 10) (RdN5O)2PO-O-, wherein RdN5 represents
  - a) a C<sub>1</sub> to C<sub>22</sub> alkyl group which may have a substituent,
- b) an unsaturated  $C_2$  to  $C_{22}$  alkyl group which may have a substituent,
  - c) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- d) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- e) a  $C_7$  to  $C_{22}$  aralkyl group which may have a substituent or
- f) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- 11)  $(R^{dN1}R^{dN2}N)_2PO-O-$ , wherein  $R^{dN1}$  and  $R^{dN2}$  are the same as defined above or
- 12)  $(R^{dN1}R^{dN2}N)(R^{dN5}O)PO-O-$ , wherein  $R^{dN1}$ ,  $R^{dN2}$  and  $R^{dN3}$   $R^{dN5}$  are the same as defined above; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 6. (Original) The compound according to claim 1, wherein  $R^7$  and/or  $R^{21}$  are independently represented by RC(=Y)-O-, wherein Y and R are the same as defined above or  $R^{N1}R^{N2}N-R^{M'}$ -, wherein  $R^{M'}$  represents

- a) -CO-O- or
- b) -CS-O-, provided that, the leftmost bond in a) or b) is bonded to the nitrogen atom, and

 $R^{N1}$  and  $R^{N2}$  are the same as defined above; a pharmacologically acceptable salt thereof, or a hydrate of those.

7. (Currently Amended) The compound according to claim 5 represented by the formula (I-e):

wherein  $R^{3e}$ ,  $R^{16e}$  and  $R^{21e}$ , the same or different, independently represent

- 1) a hydroxyl group,
- 2) a C<sub>1</sub> to C<sub>22</sub> alkoxy group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{22}$  alkoxy group which may have a substituent,
- 4) a C<sub>7</sub> to C<sub>22</sub> aralkyloxy group which may have a substituent,
- 5) an aliphatic  $C_2$  to  $C_6$  acyl group which may have a substituent or
- 6)  $R^{eN1}R^{eN2}N$ -CO-O-, wherein  $R^{eN1}$  and  $R^{eN2}$  independently represent a) a hydrogen atom or

b) a  $C_1$  to  $C_6$  alkyl group which may have a substituent, and

 $R^{7e}$  represents  $R^e$ -C(=Y<sup>e</sup>)-O-, wherein Y<sup>e</sup> represents an oxygen atom or sulfur atom, and  $R^e$ , the same or different, represents

- a) a hydrogen atom,
- b) a C<sub>1</sub> to C<sub>22</sub> alkyl group which may have a substituent,
- c) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- d) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- e) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- f) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- g) a 3-membered to 14-membered non-aromatic heterocyclic group which may have a substituent
  - h) a group of the formula (III):

$$R^{eN3} \xrightarrow{X_e} \begin{cases} R^{eN2} \\ n \\ R^{eN1} \end{cases}$$
 (III)

wherein A) n represents an integer of 0 to 4,  $\label{eq:Xe} X_{\text{e}} \text{ represents}$ 

- i) -CHR<sup>eN4</sup>-,
- ii) -NR<sup>eN5</sup>-,

- iii) -O-,
- iv) -S-,
- v) -SO- or
- $vi) -SO_2-,$

## R<sup>eN1</sup> represents

- i) a hydrogen atom or
- ii) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,

### R<sup>eN2</sup> represents

- i) a hydrogen atom or
- ii) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,

 $\textbf{R}^{\text{eN3}}$  and  $\textbf{R}^{\text{eN4}},$  the same or different, independently represent

- i) a hydrogen atom,
- ii) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,
- iii) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - iv) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent,
- v) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- vi) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
  - vii) a C3 to C8 cycloalkyl group which may have a

substituent,

viii) a  $C_4$  to  $C_9$  cycloalkylalkyl group which may have a substituent,

- ix) a 5-membered to 14-membered heteroaralkyl group
  which may have a substituent,
- x) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent,
- xi)  $-NR^{eN6}R^{eN7}$ , wherein  $R^{eN6}$  and  $R^{eN7}$ , the same or different, independently represent a hydrogen atom or a  $C_1$  to  $C_6$  alkyl group which may have a substituent or
- xii) a 5-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{eN3}$  and  $R^{eN4}$  together in combination with the carbon atom to which  $R^{eN3}$  and  $R^{eN4}$  are bonded, wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent, and  $R^{eN5}$  represents
  - i) a hydrogen atom,
- ii) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,
- iii) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - iv) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent,
- v) a 5-membered to 14-membered heteroaryl group which may have a substituent,

vi) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,

vii) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,

viii) a  $C_4$  to  $C_9$  cycloalkylalkyl group which may have a substituent,

ix) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,

x) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent or

xi) a 5-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{\text{eN3}}$  and  $R^{\text{eN5}}$  together in combination with the nitrogen atom to which  $R^{\text{eN3}}$  and  $R^{\text{eN5}}$  are bonded, wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent,

B)

 $X_e$ , n,  $R^{eN3}$ ,  $R^{eN4}$  and  $R^{eN5}$  independently represent the same group as defined above, and  $R^{eN1}$  and  $R^{eN2}$  independently represent a 5-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{eN1}$  and  $R^{eN2}$  together, wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent,

C)

 $X_e$ , n,  $R^{eN2}$ ,  $R^{eN4}$  and  $R^{eN5}$  independently represent the

same group as defined above, and  $R^{\text{eN1}}$  and  $R^{\text{eN3}}$  independently represent a 5-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{\text{eN1}}$  and  $R^{\text{eN3}}$  together, wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent or

D)

 $X_e$ , n,  $R^{eN1}$ ,  $R^{eN4}$  and  $R^{eN5}$  independently represent the same group as defined above, and  $R^{eN2}$  and  $R^{eN3}$  independently represent a 5-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{eN2}$  and  $R^{eN3}$  together, wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent or

i) a group of the formula (IV):

wherein  $\mathbf{R}^{\text{eN8}}$  and  $\mathbf{R}^{\text{eN9}}$ , the same or different, independently represent

- i) a hydrogen atom,
- ii) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,
- iii) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent,

- iv) a 5-membered to 14-membered heteroaryl group which
  may have a substituent,
- v) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent or
- vi) a 5-membered to 14-membered heteroaralkyl group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 8. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  are independently represented by  $R^{e1}C(=Y^{e1})$ -O-, wherein  $Y^{e1}$  represents an oxygen atom or sulfur atom, and  $R^{e1}$  represents
  - 1) a hydrogen atom,
  - 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,
  - 3) a  $C_6$  to  $C_{10}$  aryl group which may have a substituent,
- 4) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- 5) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent or
- 6) a 5-membered to 14-membered heteroaralkyl group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 9. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  are independently represented by  $R^{e2}C(=Y^{e2})$ -O-, wherein

 $Y^{e2}$  represents an oxygen atom or sulfur atom, and  $R^{e2}$  represents a group of the formula (III'):

$$R^{eN12} \xrightarrow{X_1} \begin{pmatrix} R^{eN11} \\ N \\ R^{eN10} \end{pmatrix}$$
 (III')

wherein A) n represents an integer of 0 to 4,  $X_1$  represents

- 1) -CHR<sup>eN13</sup>-,
- 2) -NR<sup>eN14</sup>-,
- 3) -0-,
- 4) -S-,
- 5) -SO- or
- 6)  $-SO_2-$ ,

 $\textbf{R}^{\text{eNl0}}$  and  $\textbf{R}^{\text{eNl1}},$  the same or different, independently represent

- 1) a hydrogen atom or
- 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,  $R^{eN12}$  and  $R^{eN13}$ , the same or different, independently represent
  - 1) a hydrogen atom,
  - 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - 4) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent,
  - 5) a 5-membered to 14-membered heteroaryl group which

may have a substituent,

- 6) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- 7) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 8) a C<sub>4</sub> to C<sub>9</sub> cycloalkylalkyl group which may have a substituent,
- 9) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- 10) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent,
- 11)  $-NR^{eN15}R^{eN16}$ , wherein  $R^{eN15}$  and  $R^{eN16}$ , the same or different, independently represent a hydrogen atom or a  $C_1$  to  $C_6$  alkyl group which may have a substituent, or
- 12) a 5-membered to 14-membered non-aromatic heterocyclic group formed by  $R^{\text{eN12}}$  and  $R^{\text{eN13}}$  together, wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent, and  $R^{\text{eN14}}$  represents
  - 1) a hydrogen atom,
  - 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - 4) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,

- 5) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- 6) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- 7) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 8) a  $C_4$  to  $C_9$  cycloalkylalkyl group which may have a substituent,
- 9) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- 10) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent,
- 11) a 5-membered to 14-membered non-aromatic heterocyclic group formed together by the nitrogen atom to which  $R^{eN14}$  is bonded, and one substituent selected from the group consisting of  $R^{eN10}$ ,  $R^{eN11}$  and  $R^{eN12}$ , wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent or
- 12) a 5-membered to 14-membered non-aromatic heterocyclic group formed together by the nitrogen atom to which  $R^{\text{eN14}}$  is bonded, and two substituents selected from the group consisting of  $R^{\text{eN10}}$ ,  $R^{\text{eN11}}$  and  $R^{\text{eN12}}$ , wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent or

B)

n,  $X_1$ ,  $R^{eN11}$ ,  $R^{eN13}$  and  $R^{eN14}$  are the same as defined above, and  $R^{eN10}$  and  $R^{eN12}$  together form a 5-membered to 14-membered non-aromatic heterocyclic group, wherein the 5-membered to 14-membered non-aromatic heterocyclic group may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.

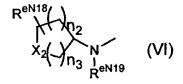
- 10. (Original) The compound according to claim 5, wherein  $X_1$  represents  $-NR^{eN14}$ -, wherein  $NR^{eN14}$  is the same as defined above; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 11. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e3}C(=Y^{e3})$ -O-, wherein  $Y^{e3}$  represents an oxygen atom or sulfur atom, and  $R^{e3}$  represents a group of the formula (V):

wherein  $n_1$  represents an integer of 0 to 6,  $R^{\text{eN17}} \text{ represents}$ 

1) a hydrogen atom or

2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent, and  $$R^{\rm eNl\,8}$$  represents

- 1) a hydrogen atom,
- 2) an amino group which may have a substituent,
- 3) a pyridyl group which may have a substituent,
- 4) a pyrrolidin-1-yl group which may have a substituent,
  - 5) a piperidin-1-yl group which may have a substituent,
- 6) a morpholin-4-yl group which may have a substituent or
- 7) a piperazin-1-yl group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those:
- 12. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e4}CO-O-$ , wherein  $R^{e4}$  represents a group of the formula (VI):



wherein  $n_2$  and  $n_3$ , the same or different, independently represent an integer of 0 to 4,

#### X<sub>2</sub> represents

- 1) -CHR<sup>eN21</sup>-,
- 2)  $-NR^{eN22}-$ ,
- 3) -0-,
- 4) -S-,
- 5) -SO- or
- 6)  $-SO_2-$ ,

# $R^{\text{eN19}}$ represents

- 1) a hydrogen atom or
- 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,  $R^{\text{eN20}}$  represents
  - 1) a hydrogen atom,
  - 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,
- 3) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent or
- 4) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,

### R<sup>eN21</sup> represents

- 1) a hydrogen atom,
- 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - 4) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
  - 5) a 5-membered to 14-membered heteroaryl group which

may have a substituent,

- 6) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- 7) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 8) a C<sub>4</sub> to C<sub>9</sub> cycloalkylalkyl group which may have a substituent,
- 9) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,
- 10)  $-NR^{eN23}R^{eN24}$ , wherein  $R^{eN23}$  and  $R^{eN24}$ , the same or different, independently represent a hydrogen atom or a  $C_1$  to  $C_6$  alkyl group which may have a substituent or
- 11) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent, and  $$R^{\text{eN22}}$$  represents
  - 1) a hydrogen atom,
  - 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - 4) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- 5) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- 6) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,

- 7) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 8) a  $C_4$  to  $C_9$  cycloalkylalkyl group which may have a substituent,
- 9) a 5-membered to 14-membered heteroaralkyl group which may have a substituent or
- 10) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 13. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e5}CO-O-$ , wherein  $R^{e5}$  represents a group of the formula (VII):

$$\begin{array}{c|c}
N & N & N & (VII) \\
R^{eN26} & R^{eN25} & (VII)
\end{array}$$

wherein  $n_4$  represents 1 or 2,  $R^{\text{eN25}} \text{ represents}$ 

- 1) a hydrogen atom or
- 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent, and

# R<sup>eN26</sup> represents

1) a hydrogen atom or

- 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 14. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e6}CO-O-$ , wherein  $R^{e6}$  represents a group of the formula (VIII):

$$\begin{array}{c}
R^{\text{eN28}} \\
X_3 \\
N \\
N \\
R^{\text{eN27}}
\end{array}$$
(VIII)

wherein  $n_2$  and  $n_3$ , the same or different, independently represent an integer of 0 to 4,

#### X<sub>3</sub> represents

- 1) -CHR<sup>eN29</sup>-,
- $2) NR^{eN30}$
- 3) -0-,
- 4) -S-,
- 5) -SO- or
- 6)  $-SO_2-$ ,

#### R<sup>eN27</sup> represents

- 1) a hydrogen atom or
- 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,  $R^{\text{eN28}}$  represents

- 1) a hydrogen atom,
- 2) a  $C_1$  to  $C_6$  alkyl group which may have a substituent,
- 3) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent or
- 4) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,

#### R<sup>eN29</sup> represents

- 1) a hydrogen atom,
- 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
- 4) a  $C_1$  to  $C_6$  alkoxy group which may have a substituent,
  - 5) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- 6) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- 7) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- 8) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 9) a C<sub>4</sub> to C<sub>9</sub> cycloalkylalkyl group which may have a substituent,
- 10) a 5-membered to 14-membered heteroaralkyl group which may have a substituent,

- 11)  $-NR^{eN31}R^{eN32}$ , wherein  $R^{eN31}$  and  $R^{eN32}$ , the same or different, independently represent a hydrogen atom or a  $C_1$  to  $C_6$  alkyl group which may have a substituent, or form a 5-membered to 14-membered non-aromatic heterocyclic group together with the nitrogen atom to which  $R^{eN31}$  and  $R^{eN32}$  are bonded or
- 12) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent, and  $$R^{\text{eN30}}$$  represents
  - 1) a hydrogen atom,
  - 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - 4) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- 5) a 5-membered to 14-membered heteroaryl group which may have a substituent,
- 6) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- 7) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 8) a  $C_4$  to  $C_9$  cycloalkylalkyl group which may have a substituent,
- 9) a 5-membered to 14-membered heteroaralkyl group which may have a substituent or
  - 10) a 5-membered to 14-membered non-aromatic

heterocyclic group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.

15. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e7}CO-O-$ , wherein  $R^{e7}$  represents a group of the formula (IX):

$$\mathbb{R}^{e^{N33}} \frac{1}{4} \sum_{n_5}^{N-\xi} (IX)$$

wherein  $n_{\text{5}}$  represents an integer of 1 to 3, and  $$R^{\text{eN}33}$$  represents

- 1) an amino group,
- 2) an amino group which may have a substituent,
- 3) a pyrrolidin-1-yl group which may have a substituent,
- 4) a piperidin-1-yl group which may have a substituent or
- 5) a morpholin-4-yl group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.

16. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e8}CO-O-$ , wherein  $R^{e8}$  represents a group

$$\begin{array}{c}
R^{\text{eN34}} \\
\downarrow \\
N \\
\downarrow \\
N_{5}
\end{array}$$
(X)

wherein  $n_{\text{5}}$  represents an integer of 1 to 3,  $R^{\text{eN34}} \text{ represents}$ 

- 1) a hydrogen atom,
- 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) a  $C_6$  to  $C_{14}$  aryl group which may have a substituent or
- 4) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent, and  $$R^{\text{eN35}}$$  represents
  - 1) a hydrogen atom,
  - 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 4) a 3-membered to 8-membered non-aromatic heterocyclic group which may have a substituent,
  - 5) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
- 6) a 5-membered to 14-membered heteroaryl group which may have a substituent,

- 7) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- 8) a 5-membered to 14-membered heteroaralkyl group which may have a substituent or
- 9) a  $C_4$  to  $C_9$  cycloalkylalkyl group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 17. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e9}CO-O-$ , wherein  $R^{e9}$  represents a group of the formula (XI):

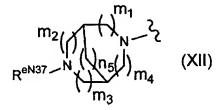
$$\mathbb{R}^{\text{eN36}}$$
,  $\mathbb{N}$   $\mathbb{N}$   $\mathbb{N}$   $\mathbb{N}$   $\mathbb{N}$ 

wherein  $n_{5}$  represents an integer of 1 to 3, and  $$R^{\text{eN36}}$$  represents

- 1) a hydrogen atom,
- 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 4) a C<sub>4</sub> to C<sub>9</sub> cycloalkylalkyl group which may have a substituent,
  - 5) a C<sub>7</sub> to C<sub>10</sub> aralkyl group which may have a

substituent,

- 6) a pyridyl group which may have a substituent or
- 7) a tetrahydropyranyl group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 18. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e10}CO-O-$ , wherein  $R^{e10}$  represents a group of the formula (XII):



wherein  $m_1$ ,  $m_2$ ,  $m_3$ , and  $m_4$ , the same or different, independently represent 0 or 1,

 $\ensuremath{n_{5}}$  represents an integer of 1 to 3, and  $\ensuremath{R^{eN37}}$  represents

- 1) a hydrogen atom,
- 2) a C<sub>1</sub> to C<sub>6</sub> alkyl group which may have a substituent,
- 3) an unsaturated  $C_2$  to  $C_{10}$  alkyl group which may have a substituent,
  - 4) a C<sub>6</sub> to C<sub>14</sub> aryl group which may have a substituent,
  - 5) a 5-membered to 14-membered heteroaryl group which

may have a substituent,

- 6) a  $C_7$  to  $C_{10}$  aralkyl group which may have a substituent,
- 7) a  $C_3$  to  $C_8$  cycloalkyl group which may have a substituent,
- 8) a C<sub>4</sub> to C<sub>9</sub> cycloalkylalkyl group which may have a substituent,
- 9) a 5-membered to 14-membered heteroaralkyl group which may have a substituent or
- 10) a 5-membered to 14-membered non-aromatic heterocyclic group which may have a substituent; a pharmacologically acceptable salt thereof, or a hydrate of those.
- 19. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e11}CO-O-$ , wherein  $R^{e11}$  represents a group of the formula (XIII):

$$m_5$$
  $N-\xi$  (XIII)

wherein  $m_5$  represents an integer of 1 to 3, and  $n_5$  represents 2 or 3; a pharmacologically acceptable salt thereof, or a hydrate of those.

20. (Original) The compound according to claim 5, wherein  $R^{7e}$  and/or  $R^{21e}$  independently represent  $R^{e12}CO-O-$ , wherein  $R^{e12}$  represents a group selected from a group consisting of:

group selected from a group consisting of

both of which may have a substituent on the ring; a pharmacologically acceptable salt thereof, or a hydrate of those.

21. (Original) The compound according to claim 1, wherein  $\mathbb{R}^{16}$  is a hydroxyl group; a pharmacologically acceptable salt thereof, or a hydrate of those.

22. (Original) The compound according to claim 1, wherein
[1] W is

 $R^3$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{16}$ ,  $R^{17}$ ,  $R^{20}$  and  $R^{21}$  are a hydrogen atom,

[2] W is



 $R^3$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{16}$ ,  $R^{17}$ ,  $R^{20}$  and  $R^{21}$  are a hydrogen atom,

[3] W is

 $R^{3}$ ,  $R^{16}$  and  $R^{21}$  are a hydroxyl group,  $R^{7}$  is an acetoxy group, and  $R^{17}$ ,  $R^{20}$  and  $R^{21}$  are a hydrogen atom,

[4] W is

 $R^{21}$  and  $R^{21'}$  form an oxo group together with the carbon atom to which  $R^{21}$  and  $R^{21'}$  are bonded,  $R^3$ ,  $R^{16}$  and  $R^{20}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{17}$  is a hydrogen atom,

[5] W is

 $R^3$ ,  $R^{16}$ ,  $R^{20}$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{17}$  and  $R^{21}$  are a hydrogen atom,

[6] W is

 $\mathbb{R}^3$ ,  $\mathbb{R}^7$ ,  $\mathbb{R}^{16}$  and  $\mathbb{R}^{21}$  are a hydroxyl group, and  $\mathbb{R}^{17}$ ,  $\mathbb{R}^{20}$  and  $\mathbb{R}^{21'}$  are a hydrogen atom,

[7] W is

 $R^3,\ R^{17},\ R^{16}$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{20}$  and  $R^{21'}$  are a hydrogen atom or

[8] W is



 $R^{21}$  and  $R^{21'}$  form an oxo group together with the carbon atom to which  $R^{21}$  and  $R^{21'}$  are bonded,  $R^3$  and  $R^{16}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{17}$  and  $R^{20}$  are a hydrogen atom; a pharmacologically acceptable salt thereof, or a hydrate of those.

23. (Original) The compound according to claim 1, which is (8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-((4-methylpiperazin-1-yl) carbonyl) oxy-18,19-epoxytricosa-8,12,14-trien-11-olide, (8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-((4-methylhomopiperazin-1-yl) carbonyl) oxy-18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20pentamethyl-7-((4-(piperidin-1-yl)piperidin-1-yl)carbonyl)oxy18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E,12E,14E)-7-((4-ethylpiperazin-1-yl)carbonyl)oxy-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide, (8E,12E,14E)-7-(N-(3-(N',N'-dimethylamino)propyl)-N-methylcarbamoyloxy)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide, (8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-((piperazin-1-yl)carbonyl)oxy-18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-(N-methyl-N-(1-methylpiperidin-4-yl)carbamoyloxy)-

18,19-epoxytricosa-8,12,14-trien-11-olide,

8,12,14-trien-11-olide,

(8E, 12E, 14E) -3, 16, 21-trihydroxy-7-((4-

isopropylhomopiperazin-1-yl)carbonyl)oxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E, 12E, 14E) -3, 16, 21-trihydroxy-7-((4-(4-

hydroxypiperidin-1-yl)piperidin-1-yl)carbonyl)oxy-6,10,12,16,20pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-((4(morpholin-4-yl)piperidin-1-yl)carbonyl)oxy-18,19-epoxytricosa-

(8E,12E,14E)-7-((4-ethylhomopiperazin-1-yl)carbonyl)oxy-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide, (8E,12E,14E)-3,16,21-trihydroxy-7-((4-isopropylpiperazin-1-yl)carbonyl)oxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide, (8E,12E,14E)-3,16,21-trihydroxy-7-(((1S,4S)-5-isopropyl-2,5-diazabicyclo[2.2.1]heptan-2-yl)carbonyl)oxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E,12E,14E)-7-(N-(2-(N',N'-dimethylamino)ethyl)-N-methylcarbamoyloxy)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E, 12E, 14E) - 7 - (N - (2 - (N', N' - N')))

dimethylamino)ethyl)carbamoyloxy)-3,16,21-trihydroxy6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-

olide or

(8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-(((1S,4S)-5-methyl-2,5-diazabicyclo[2.2.1]heptan-2-yl)carbonyl)oxy-18,19-epoxytricosa-8,12,14-trien-11-olide.

24. (Original) The compound according to claim 1, which is (8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-(N-methyl-N-(1-methylpiperidin-4-yl)carbamoyloxy)-18,19-epoxytricosa-8,12,14-trien-11-olide,

(8E,12E,14E)-3,16,21-trihydroxy-7-((4-isopropylhomopiperazin-1-yl)carbonyl)oxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide,
(8E,12E,14E)-7-((4-ethylhomopiperazin-1-yl)carbonyl)oxy-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide, (8E,12E,14E)-3,16,21-trihydroxy-7-((4-isopropylpiperazin-1-yl)carbonyl)oxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosa-8,12,14-trien-11-olide or (8E,12E,14E)-3,16,21-trihydroxy-6,10,12,16,20-pentamethyl-7-(((1S,4S)-5-methyl-2,5-diazabicyclo[2.2.1]heptan-2-yl)carbonyl)oxy-18,19-epoxytricosa-8,12,14-trien-11-olide.

25. (Previously Presented) A medicine comprising the compound according to claim 1, a pharmacologically acceptable salt thereof, or a hydrate of those as an active ingredient.

- 26. (Previously Presented) A pharmaceutical composition comprising the compound according to claim 1, a pharmacologically acceptable salt thereof, or a hydrate of those as an active ingredient.
- 27. (Original) The medicine according to claim 25 as an agent for preventing or treating a disease for which gene expression control is effective.
- 28. (Original) The medicine according to claim 25 as an agent for preventing or treating a disease for which suppression of VEGF production is effective.
- 29. (Original) The medicine according to claim 25 as an agent for preventing or treating a disease for which an antiangiogenic effect is effective.
- 30. (Original) The medicine according to claim 25 as an angiogenesis inhibitor.
- 31. (Original) The medicine according to claim 25 as an antitumor agent.

- 32. (Original) The medicine according to claim 25 as a therapeutic agent for treating hemangioma.
- 33. (Original) The medicine according to claim 25 as a cancer metastasis inhibitor.
- 34. (Original) The medicine according to claim 25 as a therapeutic agent for treating retinal neovascularization or diabetic retinopathy.
- 35. (Original) The medicine according to claim 25 as a therapeutic agent for treating inflammatory disease.
- 36. (Original) The medicine according to claim 25 as a therapeutic agent for inflammatory diseases consisting of deformant arthritis, rheumatoid arthritis, psoriasis, and delayed hypersensitive reaction.
- 37. (Original) The medicine according to claim 25 as a therapeutic agent for treating atherosclerosis.
- 38. (Original) The medicine according to claim 25 as a therapeutic agent for treating a solid cancer.

- 39. (Original) The medicine according to claim 38, wherein the solid tumor is lung cancer, brain tumor, breast cancer, prostate cancer, ovarian cancer, colon cancer or melanoma.
- 40. (Original) The medicine according to claim 25 as a therapeutic agent for treating leukemia.
- 41. (Original) The medicine according to claim 25 as an antitumor agent based on gene expression control.
- 42. (Original) The medicine according to claim 25 as an antitumor agent based on suppression of VEGF production.
- 43. (Original) The medicine according to claim 25 as an antitumor agent based on an effect of angiogenesis inhibition.
- 44. (Original)A method for preventing or treating a disease for which gene expression control is effective, comprising administering a pharmacologically effective dose of the medicine according to claim 25 to a patient.
- 45. (Original) A method for preventing or treating a disease for which suppression of VEGF production is effective, comprising administering a pharmacologically effective dose of the medicine

according to claim 25 to a patient.

- 46. (Original) A method for preventing or treating a disease for which angiogenesis inhibition is effective, comprising administering a pharmacologically effective dose of the medicine according to claim 25 to a patient.
- 47. (Previously Presented) Use of the compound according to claim 1, a pharmacologically acceptable salt thereof or a hydrate of those, for manufacturing an agent for preventing or treating a disease for which gene expression control is effective.
- 48. (Previously Presented) Use of the compound according to claim 1, a pharmacologically acceptable salt thereof or a hydrate of those, for manufacturing an agent for preventing or treating a disease for which suppression of VEGF production is effective.
- 49. (Previously Presented) Use of the compound according to claim 1, a pharmacologically acceptable salt thereof or a hydrate of those, for manufacturing an agent for preventing or treating a disease for which angiogenesis inhibition is effective.
- 50. (Previously Presented) Use of the compound according to claim 1, a pharmacologically acceptable salt thereof or a hydrate

of those, for manufacturing an agent for preventing or treating a solid cancer.

51. (Original) A method for producing a 6-deoxy 11107 compound, characterized in that the method comprises culturing a microorganism belonging to the genus Streptomyces, which is capable of producing a compound of the formula (I):

$$R^{21}$$
,  $R^{21}$   $R^{17}$   $R^{16}$   $R^{3}$   $R^{3}$ 

wherein [1] W is

 $R^3$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{16}$ ,  $R^{17}$ ,  $R^{20}$  and  $R^{21}$  are a hydrogen atom or [2] W is

$$=$$

 ${\bf R}^3$  and  ${\bf R}^{21}$  are a hydroxyl group,  ${\bf R}^7$  is an acetoxy group, and  ${\bf R}^{16}$ ,

 $R^{17}$ ,  $R^{20}$  and  $R^{21'}$  are a hydrogen atom; and collecting the compound as defined in [1] or [2] (hereinafter referred to as "6-deoxy 11107 compound") from the culture.

- 52. (Original) Streptomyces sp. strain A-1543 (FERM BP-8442) that is capable of producing the 6-deoxy 11107 compound according to claim 51.
- 53. (Original) A method for producing a 6-deoxy compound by biologically converting a compound of the formula (I):

wherein [1] W is

 $R^3$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{16}$ ,  $R^{17}$ ,  $R^{20}$  and  $R^{21}$  are a hydrogen atom (hereinafter referred to as "6-deoxy 11107B") into a compound of the formula (I), wherein

[3] W is

 $R^3$ ,  $R^{16}$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{17}$ ,  $R^{20}$  and  $R^{21'}$  are a hydrogen atom,

[4] W is

 $R^{21}$  and  $R^{21'}$  form an oxo group together with the carbon atom to which  $R^{21}$  and  $R^{21'}$  are bonded,  $R^3$ ,  $R^{16}$  and  $R^{20}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{17}$  is a hydrogen atom,

 $R^3$ ,  $R^{16}$ ,  $R^{20}$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{17}$  and  $R^{21'}$  are a hydrogen atom,

[6] W is

 $R^3$ ,  $R^7$ ,  $R^{16}$  and  $R^{21}$  are a hydroxyl group, and  $R^{17}$ ,  $R^{20}$  and  $R^{21'}$  are a

hydrogen atom,

[7] W is

 $R^3$ ,  $R^{17}$ ,  $R^{16}$  and  $R^{21}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{20}$  and  $R^{21'}$  are a hydrogen atom or [8] W is

 $R^{21}$  and  $R^{21'}$  form an oxo group together with the carbon atom to which  $R^{21}$  and  $R^{21'}$  are bonded,  $R^3$  and  $R^{16}$  are a hydroxyl group,  $R^7$  is an acetoxy group, and  $R^{17}$  and  $R^{20}$  are a hydrogen atom (these compounds are hereinafter referred to as "6-deoxy compounds"), comprising

- 1) a step that can conduct the biological conversion, the step of incubating 6-deoxy 11107B in the presence of a culture solution of a strain selected from microorganisms belonging to bacteria or a product prepared from culture cells of the strain, and
  2) collecting a 6-deoxy compound from the incubated solution.
- 54. (Original) The method according to claim 53, wherein the microorganism belonging to bacteria is strain A-1544 (FERM BP-

8446) or strain A-1545 (FERM BP-8447).

55. (Original) Strain A-1544 (FERM BP-8446) or strain A-1545 (FERM BP-8447) which is capable of converting 6-deoxy 11107B into a 6-deoxy compound.